

FIG. 1

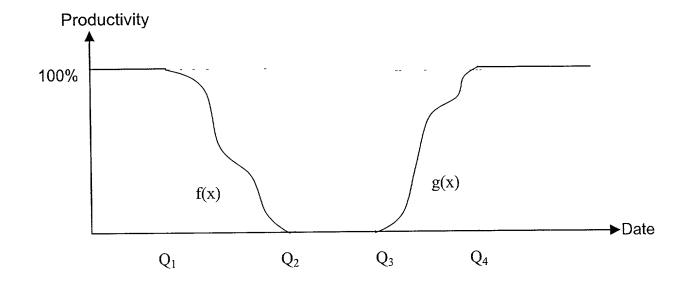


FIG. 2

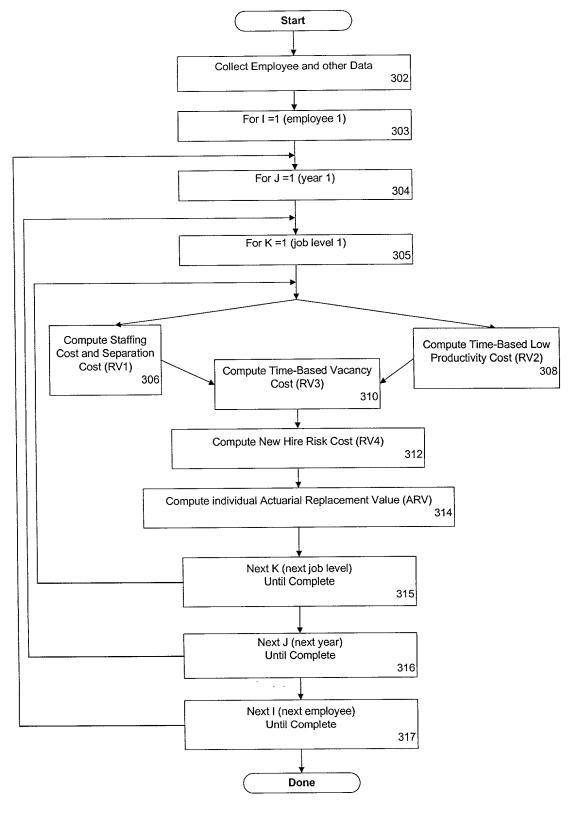


FIG. 3



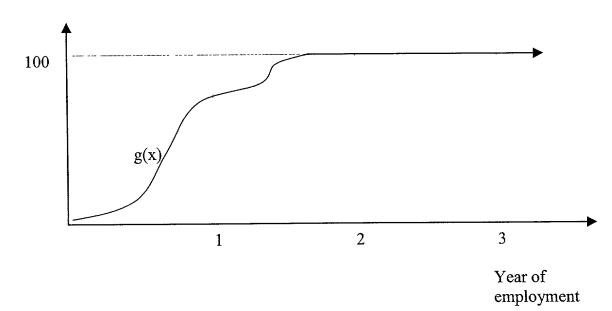


FIG. 4

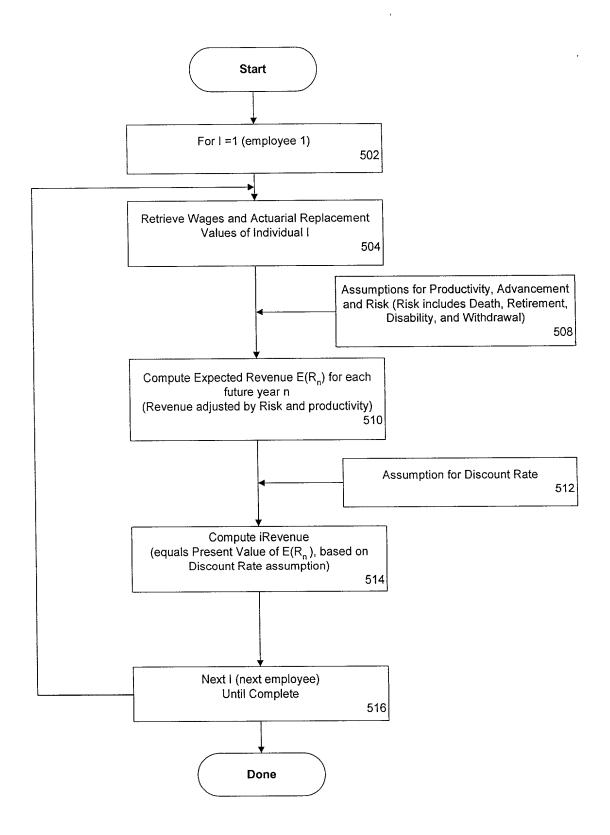


FIG. 5

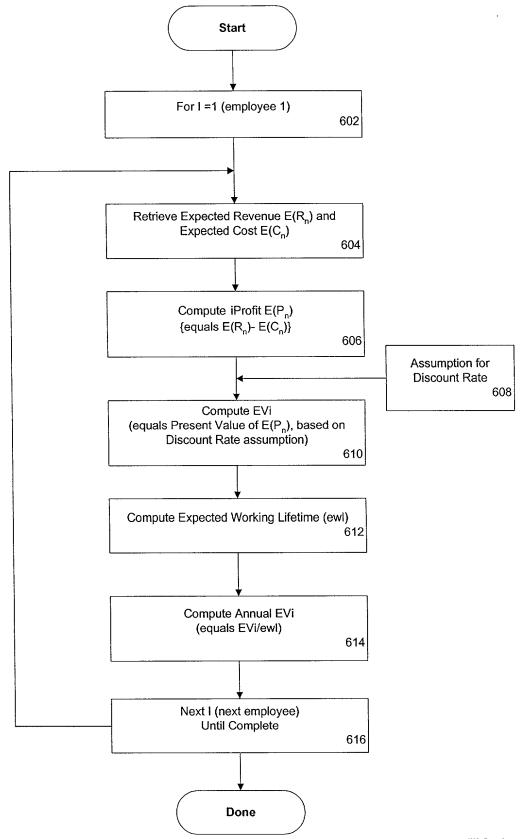


FIG. 6

		Figure 7A-1.	Sample Calculation of	Actuarial Repla	cement Value	e and		
	Ac	ctuarial Replacement Wage Lo	oad Factor by Job Leve	el for the first the	ree years for	Employee 1		
Current J			1					
Date of E			1/1/1978					
Date of H	lire		1/1/1997					
Gender			Male					
Year			1	2	2	3	3	3
Job Leve	i		1	1	2	1	2	3
Pay			\$38,462	\$40,7691	\$40,769	\$43,2151	\$43,215	\$43,215
Wage = 1	Pay x	1.3	\$50,000	\$53,000	\$53,000	\$56,180	\$56,180	\$56,180
Dollar-E	Based	Costs						·
	Α	Based on Wage	\$3,500 ²	\$3,710 ²	\$5,300 ³	\$3,933 ²	\$5,618 ³	\$5,618 ³
		Not based on Wage	\$1,105	\$1,1384	\$11,7425	\$1,172 ⁴	\$12,094 ⁴	\$16,550 ⁶
Time-Ba		Low Productivity Costs (based	on equivalent unprod	uctive days):				
		New Hire low productivity – days	70	70	155	70	155	190
		Pre-separation low productivity – days	2	2	5	2	5	10
	Е	Internal Required Rate of Return	10%	10%	10%	10%	10%	10%
Time-B	ased `	Vacancy Cost:						
	F	Vacancy (time-to-start) - days	78	78	112	78	112	112
New Hi		sk Cost:						
		EWL for existing employee	10.6	10.8	10.8	11.1	11.1	11.1
		EWL for replacement (new employee)	7.1	7.2	7.2	7.4	7.4	7.4
		placement Value					1	1
Develor	men	t: Wages	\$50,000	\$53,000	\$53,000	\$56,180	\$56,180	\$56,180
	-	Equivalent Unproductive Days, other than vacancy =	72	72	160	72	160	200
RV ¹	K	[C+D] Dollar Based Costs Total = [A + B]	\$4,605	\$4,848	\$17,042	\$5,105	\$17,712	\$22,168
RV ²	L	Time-Based Low Productivity Costs = (J/365)*[I*(1+E)]	\$10,849	\$11,500	\$25,556	\$12,190	\$27,090	\$33,862
RV ³	M	Time-Based Vacancy Cost = (F/365)*[K+L]	\$3,302	\$3,494	\$13,071	\$3,696	\$13,747	\$17,193
RV ⁴	N	New Hire Risk Cost = $[K + L]$ + M]* $[G/H - 1]$	\$9,246	\$9,921	\$27,835	\$10,496	\$29,275	\$36,612
ARV	0	Actuarial Replacement Value = K + L + M + N	\$28,002	\$29,763	\$83,504	\$31,487	\$87,824	\$109,835
	P	ARV as wage load factor = [O ÷ I]	0.56	0.56	1.58	0.56	1.56	1.96
	Q	Actuarial Revenue wage load factor = [1+P]	1.567	1.56	2.587	1.56	2.567	2.967

¹ Previous year pay increased due to inflation and merit (assumed to be 6% per year)

² 7% of Wage

^{3 10%} of Wage

⁴ Previous year figure increased by inflation (assumed to be 3% per year)

⁵ \$ 11,400 in 2001 increased by inflation (assumed to be 3% per year)

⁶ \$ 15,600 in 2001 increased by inflation (assumed to be 3% per year)

⁷ ARWLF by Job Level is used as one of the inputs to Figure 7B (row C)

		Figure 7A-2. Sample Calculation Actuarial Replacement Wage Load Factor by	of Actuaria	I Replacemen	t Value and	Employee 2	
		Actuarian Replacement Wage Boad Factor by	000 20 (012				
Current	Job l	evel .	2				
Date of			1/1/1957				
Date of			1/1/1996				
Gender			Female				
Year			1	2	2	3	3
Job Lev	rel		2	2	3	2	3
Pay			\$76,923	\$81,538 ¹	\$81,538	\$86,431 ¹	\$86,431
Wage =	Pay	x 1.3	\$100,000	\$106,000	\$106,000	\$112,360	\$112,360
Dollar-	Base	ed Costs					
	Α	Based on Wage	\$10,000 ²	\$10,600 ²	\$10,600 ²	\$11,236 ²	\$11,236
		Not based on Wage	\$11,400	\$11,742 ³	\$16,068 ⁴	\$12,094 ³	\$16,550
Time-I		Low Productivity Costs (based on equivalent	unproducti	ve days):			
	С	New Hire low productivity – days	155	155	190	155	190
	D	Pre-separation low productivity – days	5	5	10	5	10
	Е	Internal Required Rate of Return	10%	10%	10%	10%	10%
Time-I	Basec	Vacancy Cost:					
	F	Vacancy (time-to-start) – days	112	112	112	112	112
New H	ire F	Risk Cost:					
		EWL for existing employee	11.9	11.3	11.3	10.6	10.6
	H	EWL for replacement (new employee)	11.0	10.5	10.5	9.9	9.9
Actual		Replacement Value Development:					
	I	Wages	\$100,000	\$106,000	\$106,000	\$112,360	\$112,360
	J	Equivalent Unproductive Days, other than vacancy = [C+D]	160	160	200	160	200
RV1	K	Dollar Based Costs Total = [A + B]	\$21,400	\$22,342	\$26,668	\$23,330	\$27,786
RV ²	L	Time-Based Low Productivity Costs = (J/365)*[I*(1+E)]	\$48,219	\$51,112	\$63,890	\$54,179	\$67,724
RV ³	M	Time-Based Vacancy Cost = $(F/365)*[K+L]$	\$21,363	\$22,539	\$27,788	\$23,784	\$29,307
RV ⁴	N	New Hire Risk Cost = $[K + L + M]*[G/H - 1]$	\$7,444	- \$7,314	\$9,017	\$7,162	\$8,825
ARV	0	Actuarial Replacement Value = K + L + M + N	\$98,426	\$103,307	\$127,363	\$108,455	\$133,642
	P	Actuarial Replacement Value as wage load factor = [O ÷ I]	0.98-	0.97	1.20	0.97	1.19
	O A	Actuarial Revenue wage load factor = [1+ P]	1.985	1.975	2.205	1.975	2.19

¹ Previous year pay increased due to inflation and merit (assumed to be 6% per year)

² 10% of Wage

³ Previous year figure increased by inflation (assumed to be 3% per year)

⁴ \$ 15,600 in 2001 increased by inflation (assumed to be 3% per year)
⁵ ARWLF by Job Level is used as one of the inputs to Figure 7B (row C)

Empl A Year 1 Ioh I			ı					
A Year 1 Ioh I	Employee 1				Employee 2			
Year 1 Tob I		-	c	,,		_	0	ς.
,	r ear Job Level 1	-	4	7	Job Level 2	4	1	1
Age		23	24	25	Age	44	45	46
Service	ice	3	4	5	Service	'n	9	7
Heac	Headcount	1.00000	0.80000	0.60000	Headcount	1.00000	0.61000	0.28670
Pron	Promoted to Level 2	0.20000	0.25000	0.35000	Promoted to Level 3	0.39000	0.53000	0.72000
Pron	Promoted headcount	0.20000	0.20000	0.21000	Promoted headcount	0.39000	0.32330	0.20642
2 Job J	Job Level 2				Job Level 3			
Service	ice		0	_				
Неас	Headcount		0.20000	0.19000	0.19000 Headcount		0.39000 0.39000	0.39000
Pron	Promoted to Level 3		0.05000	0.14000				
Pron	Promoted headcount		0.01000	0.02660				
3 Job 1	lob Level 2				Job Level 3			
Service	ice			0				
Неас	Headcount			0.20000	0.20000 Headcount			0.32330
Pron	Promoted to Level 3			0.06000				
Pron	Promoted headcount			0.01200			1	
4 Job]	Job Level 3							
Неас	Headcount			0.01000				
B								
P _n (1)		1.00000	0.80000	0.60000 P _n (1)	$P_n(1)$	0.00000	0.00000	0.0000.0
P _n (2)		0.00000	0.20000	0.39000 P _n (2)	$P_n(2)$	1.00000	0.61000	0.28670
$P_n(3)$		0.00000	0.00000	0.01000 P _n (3)	$P_n(3)$	0.00000	0.39000	0.71330
Total		1.00000	1.00000	1.00000	Total	1.00000	1.00000	1.00000
ن ن			,	,	(1) 11 1111			
ARV	$ARWLF_n(1)$	1.56	1.56	1.56	$AKWLF_n(1)$	00	100	1 07
ARV	$ARWLF_n(2)$		7.58	7.50	$AKWLF_{n}(2)$	1.70	1.97	1.9.
ARV	ARWLF _n (3)			2.96	$ARWLF_n(3)$		2.2	2.19
ARV	ARWLF.	1.56	1.76	1.96	1.96 ARWLF,	1.98	2.06	2.13

Figure 7C-1. Sample Calculation of EVi for Employee 1 (page 1) Wage Wage Load Minimum Annual Salary Productivity Salary Factor Revenue ARWLF Date Age Service Salary Increase Multiple Wage Factor Potential $(6) = (3) \times (4) \times (6) = (6) \times (6)$ (1) (2) $(3) = (1) \times (2)$ (4) (5) (5) 1/1/2001 23 4 \$38,462 0.06 1.30 \$50,000 1.00 1.560 \$78,000 1/1/2002 24 5 \$40,769 0.06 1.30 \$53,000 1.00 1.760 \$93,280 1/1/2003 25 6 \$43,215 0.06 1.30 \$56,180 1.00 1.960 \$110,113 1/1/2004 26 7 \$45,808 0.06 1.30 \$59,551 1.00 1.999 \$119,054 1/1/2005 27 8 \$48,557 0.06 1.30 \$63,124 1.00 2.039 \$128,721 1/1/2006 28 9 \$51,470 0.06 1.30 \$66,911 1.00 2.080 \$139,173 1/1/2007 29 10 \$54,558 0.06 1.30 \$70,926 1.00 2.122 \$150,474 1/1/2008 30 11 \$57,832 0.06 1.30 \$75,181 1.00 2.164 \$162,693 1/1/2009 31 12 \$61,302 0.06 1.30 \$79,692 100 2.207 \$175,903 1/1/2010 32 13 \$64,980 0.06 1.30 \$84,474 1.00 2.251 \$190,186 1/1/2011 \$205,630 33 14 \$68,879 0.06 1.30 \$89,542 2 296 1.00 1/1/2012 34 15 \$73,011 0.06 1.30 \$94,915 1.00 2.342 \$222,327 1/1/2013 35 16 \$77,392 0.06 1.30 \$100,610 1.00 2.389 \$240,380 1/1/2014 36 17 \$82,036 0.06 1.30 \$106,646 1.00 2.437 \$259,899 1/1/2015 37 18 \$86,958 0.06 1.30 \$113,045 1.00 2.486 \$281,002 1/1/2016 0.06 38 \$92,175 1.30 19 \$119,828 1 00 2.535 \$303,820 1/1/2017 39 20 \$97,706 0.06 1.30 \$127,017 1.00 2.586 \$328,490 1/1/2018 40 21 \$103,568 1.30 \$134,639 0.06 1.00 2.638 \$355,163 1/1/2019 41 22 \$109,782 0.06 1.30 \$142,717 1.00 2.691 \$384,002 1/1/2020 42 23 \$116,369 0.06 1.30 \$151,280 1.00 2.744 \$415,183 1/1/2021 43 24 \$123,351 0.06 1.30 \$160,357 1.00 2 799 \$448,896 1/1/2022 44 25 \$130,752 0.06 1.30 \$169,978 1.00 2.855 \$485,347 1/1/2023 45 26 \$138,597 0.06 1.30 \$180,177 1.00 2.912 \$524,757 1.00 1/1/2024 46 27 \$146,913 0.06 1.30 2.971 \$190,987 \$567,367 1/1/2025 47 28 \$155,728 0.06 1.30 \$202,447 1.00 3.030 \$613,437 1/1/2026 48 29 \$165,072 0.06 1.30 \$214,593 1.00 3.091 \$663,248 1/1/2027 49 30 \$174,976 0.06 1.30 \$227,469 1.00 3.153 \$717,104 1/1/2028 31 50 \$185,475 0.06 1.30 \$241,117 1.00 3.216 \$775,333 1/1/2029 51 32 \$196,603 0.06 1.30 1.00 \$255,584 3.280 \$838,290 1/1/2030 52 33 \$208,399 0.06 1.30 \$270,919 1.00 3.345 \$906,359 1/1/2031 53 34 \$220,903 0.06 3.412 \$979,956 1.30 \$287,174 1.00 1/1/2032 54 35 \$234,157 0.06 1.30 \$304,405 1.00 3.481 \$1,059,528 1/1/2033 55 36 \$248,207 0.06 1.30 \$322,669 1.00 3.550 \$1,145,562 1/1/2034 56 37 \$263,099 0.06 1.30 \$342,029 1.00 3.621 \$1,238,581 1/1/2035-57 38 \$278,885 0.06 1.30 \$362,551 1.00 3.694 \$1,339,154 1/1/2036 58 \$295,618 \$384,304 39 0.06 1.30 1.00 3.768 \$1,447,893 1/1/2037 59 40 \$313,356 0.06 1.30 \$407,362 1.00 3.843 \$1,565,462 1/1/2038 60 41 \$332,157 0.06 1.30 \$431,804 1.00 3.920 \$1,692,578 1/1/2039 61 42 \$352,086 0.06 1.30 \$457,712 1.00 3.998 \$1,830,015 1/1/2040 62 43 \$373,211 0.06 1.30 \$485,175 1.00 4.078 \$1,978,612 1/1/2041 63 44 \$395,604 0 06 1.30 \$514,285 1.00 4.160 \$2,139,276 1/1/2042 \$419,340 64 45 **Q**.06 1.30 \$545,143 \$2,312,985 1.00 4.243 1/1/2043 65 46 \$0 0.06 1.30 \$0 1.00 4.328 \$0

Figure 7C-1. Sample Calculation of EVi for Employee 1 (page 2) Beg. Year Total Risk Disability Turnover Retention Adjusted Mortality Retirement Risk 1 Risk 1 Risk 1 Risk 1 Risk Date **Head Count** Age (12) = (8) + (9)(10)(11)(7) (8) (9) +(10)+(11) 1/1/2001 23 1.000000 0.042% 0.000% 10.000% 0.093% 10.135% 1/1/2002 24 0.898646 0.044% 0.000% 10.000% 0.093% 10.137% 10.000% 0.133% 10.179% 1/1/2003 25 0.807547 0.046% 0.000% 0.133% 10.182% 1/1/2004 26 0.725343 0.049% 0.000% 10.000% 10.000% 0.133% 10.184% 1/1/2005 27 0.651490 0.051% 0.000% 9.500% 0.133% 9.687% 1/1/2006 0.585141 0.054% 0.000% 28 1/1/2007 0.528457 0.057% 0.000% 9.500% 0.133% 9.690% 29 9.259% 1/1/2008 30 0.477248 0.061% 0.000% 9.000% 0.198% 1/1/2009 0.433061 0.065% 0.000% 9.000% 0.198% 9.263% 31 1/1/2010 0.392949 0.069% 0.000% 8.500% 0.198% 8.767% 32 8.000% 0.198% 8.271% 1/1/2011 33 0.358500 0.073% 0.000% 1/1/2012 34 0.328847 0.079% 0.000% 7.500% 0.198% 7.777% 1/1/2013 35 0.303275 0.086% 0.000%7.000% 0.283% 7.369% 1/1/2014 0.091% 0.000% 6.500% 0.283% 6.874% 36 0.280926 1/1/2015 0.097% 0.000% 6.000% 0.283% 6.380% 37 0.261616 1/1/2016 38 0.244926 0.104% 0.000% 5.500% 0.283% 5.887% 1/1/2017 39 0.230508 0.113% 0.000% 5.000% 0.283% 5.396% 1/1/2018 40 0.218070 0.124% 0.000% 4.500% 0.390% 5.014% 1/1/2019 0.207136 0.137% 0.000% 4.000% 0.390% 4.527% 41 1/1/2020 42 0.197759 0.153% 0.000% 3.500% 0.390% 4.043% 1/1/2021 43 0.189764 0.172% 0.000% 3.000% 0.390% 3.562% 1/1/2022 44 0.183006 0.193% 0.000% 2.500% 0.390% 3.083% 0.000% 2.000% 0.527% 2.745% 1/1/2023 45 0.177363 0.218% 0.527% 2.774% 46 2.000% 1/1/2024 0.172494 0.247% 0.000% 2.000% 0.527% 2.806% 1/1/2025 47 0.167709 0.279% 0.000% 0.163003 0.314% 0.000% 2.000% 0.527% 2.841% 1/1/2026 48 0.000% 2.000% 0.527% 2.878% 1/1/2027 49 0.158373 0.351% 50 0.391% 5.000% 0.000% 0.849% 6.240% 1/1/2028 0.153814 1/1/2029 0.432% 5.500% 0.000% 0.849% 6.781% 51 0.144216 1/1/2030 6.000% 0.000% 0.849% - 7.325% 52 0.134436 0.476% 1/1/2031 53 0.124590 0.520% 6.500% 0.000% 0.849% 7.869% 0.566% 1/1/2032 7.000% 0.000% 0.849% 8.415% 54 0.114786 1/1/2033 55 0.105126 0.613% 7.500% 0.000% 1.398% 9.511% 1/1/2034 56 0.095128 0.662% 8.000% 0.000% 1.398% 10.060% 0.000% 1.398% 10.612% 1/1/2035 57 0.085558 0.714% 8.500% 1/1/2036 58 0.076479 0.772% 9.000% 0.000% 1.398% 11.170% 1/1/2037 0.067936 0.838% 9.500% 0.000% 1.398% 11.736% 59 12.468% 1/1/2038 0.059963 0.916% 10.000% 0.000% 1.552% 60 22.558% 1/1/2039 0.052487 1.006% 20.000% 0.000% 1.552% 61 1/1/2040 0.040647 1.113% 30.000% 0.000% 1.552% 32.665% 62 42.791% 1/1/2041 63 0.027369 1.239% 40.000% 0.000% 1.552% 52.939% 1/1/2042 64 0.015658 1.387% 50.000% 0.000% 1.552% 100.000% 1/1/2043 65 0.007369 1.559% 100.000% 0.000% 0.835% Total 10.648721 Figure 7D shows the decrement rates used in this calculation

			Figure 7C-1. Sa	mple Calculation of	Evi for Emplo	yee 1 (page 3)		
C. Advantage		Expected Cost	Expected Revenue	Expected Profit	Discount	Discounted Expected	T T	Discounted Expected
Date	Age	E(C _n)	E(R _n)	E(P _n)	Factor	Cost	Revenue	Profit
		$(13) = (3) \times (7) \times [1 - (12)]$	$(14) = (6) \times (7) \times [1 - (12)]$	(15) = (14) - (13)	(16)	$(17) = (13) \times (16)$	$(18) = (14) \times (16)$	(19) = (18) - (17)
1/1/2001	23	\$44,932	\$70,094	\$25,162	1.0000	\$44,932	\$70,094	\$25,162
1/1/2002	24	\$42,800	\$75,328	\$32,528	0.9091	\$38,909	\$68,480	\$29,571
1/1/2003	25	\$40,750	\$79,869	\$39,120	0.8264	\$33,677	\$66,008	\$32,330
1/1/2004	26	\$38,797	\$77,562	\$38,766	0.7513	\$29,149		\$29,125
1/1/2005	27	\$36,936	\$75,320	\$38,384	0.6830	\$25,228	\$51,444	\$26,217
1/1/2006	28	\$35,360		\$38,187	0.6209	\$21,956		\$23,711
1/1/2007	29	\$33,849			0.5645	\$19,107	 	\$21,430
1/1/2008	30	\$32,558			0.5132	\$16,707		\$19,447
1/1/2009	31	\$31,315		\$37,806	0.4665	\$14,609		\$17,637
1/1/2010	32	\$30,284		· · · · · · · · · · · · · · · · · · ·	0.4241	\$12,843		\$16,072
1/1/2011	33	\$29,446		\$38,175	0.3855	\$11,353		\$14,718
1/1/2012	34	\$28,785			0.3505			\$13,543
1/1/2013	35 36	\$28,264 \$27,900			0.3186 0.2897	· · · · · · · · · · · · · · · · · · ·		\$12,511
1/1/2014	37	\$27,688	 		-			\$11,614
1/1/2016	38	\$27,688	ł	· -	0.2633 0.2394			\$10,833 \$10,153
1/1/2017	39	\$27,699		· · · · · · · · · · · · · · · · · · ·	0.2334			\$9,562
1/1/2018	40	\$27,889			0.1978	 	·	\$9,037
1/1/2019	41	\$28,224			0.1799			\$8,582
1/1/2020	42	\$28,708			0.1635	· · · · · · · · · · · · · · · · · · ·		\$8,188
1/1/2021	43	\$29,346	<u> </u>		0.1486		+	\$7,849
1/1/2022	44	\$30,148			0.1351			\$7,559
1/1/2023	45	\$31,079	\$90,518		0.1228	1		\$7,302
1/1/2024	46	\$32,030		<u> </u>	0.1117	\$3,577	\$10,626	<u></u>
1/1/2025	47	\$32,999	\$99,992	\$66,993	0.1015	\$3,350	\$10,152	\$6,801
1/1/2026	48	\$33,986	\$105,040	\$71,055	0 0923	\$3,137	\$9,695	\$6,558
1/1/2027	49	\$34,988	 	\$75,313	0.0839	 	 	\$6,319
1/1/2028	50	\$34,773		 	0.0763	 	 	
1/1/2029	51	\$34,360			0.0693	 	 	\$5,432
1/1/2030	52	\$33,754	 	·	0.0630			
1/1/2031	53	\$32,964			0.0573			
1/1/2032	54	\$32,00			0.0521	·		
1/1/2033	55 56-	\$30,693 \$29,263		 	0.0474	· · · · · · · · · · · · · · · · · · ·		\$3,708
1/1/2034 1/1/2035	57	\$27,72			0.0431			
1/1/2036	58	\$26,10			0.0350	 		
1/1/2037	59	\$24,42		+	0.0330	+		
1/1/2038	60	\$22,66			0.032	 	· · · · · · · · · · · · · · · · · · ·	
1/1/2039	61	\$18,60		+	0.026	- 	-	
1/1/2040	62	\$13,27		+	0.024			
1/1/2041	63	\$8,05	-		0.022	+		
1/1/2042	64	\$4,01	7 . \$17,04	4 \$13,027	0.020	1 \$8	1 \$342	\$262
1/1/2043	65	\$	0 \$	0 \$0	0.018	3 \$	0 \$0	\$0
Total						\$374,10	2 \$817,982	\$443,880
i Payarea	1	-	\$817,98	1			-	
iRevenue iCost			\$374,10					-
Evi = iReven	ue - iCo	L	\$443,88			1		
EWL	1	Ĭ	10 64872			 	 	
	Evi / E	1	\$41,68	+	············	 		1

Annual Salary Salary Salary Productivity Service Salary Increase Multiple Wage Factor (1) (2) (3) = (1) x (2) (4) 5 \$76,923 0.06 1.30 \$100,000 1.00 6 \$81,538 0.06 1.30 \$100,000 1.00 8 \$91,617 0.06 1.30 \$112,360 1.00 10 \$80,114 0.06 1.30 \$112,360 1.00 11 \$109,117 0.06 1.30 \$136,248 1.00 12 \$15,664 0.06 1.30 \$14,852 1.00 13 \$120,960 0.06 1.30 \$148,982 1.00 14 \$120,966 0.06 1.30 \$189,838 1.00 15 \$14,784 0.06 1.30 \$189,838 1.00 16 \$130,916 0.06 1.30 \$220,20 1.00 18 \$14,784	Annual Salary Salary Wage Productivity Productiv			Fig	ure 7C-2. San	nple Calculatio	Figure 7C-2. Sample Calculation of EVi for Employee 2 (page 1)	ee 2 (page 1)		
(1) (2) (3) = (1) x (2) (4) (5) (6) = (3) x \$76,923 0.06 1.30 \$100,000 1.00 1.980 \$81,538 0.06 1.30 \$106,000 1.00 2.060 \$86,431 0.06 1.30 \$112,360 1.00 2.173 \$80,1617 0.06 1.30 \$119,102 1.00 2.173 \$91,617 0.06 1.30 \$13,823 1.00 2.216 \$102,940 0.06 1.30 \$13,823 1.00 2.260 \$105,117 0.06 1.30 \$14,822 1.00 2.366 \$105,117 0.06 1.30 \$189,385 1.00 2.366 \$122,604 0.06 1.30 \$189,382 1.00 2.496 \$132,966 0.06 1.30 \$189,382 1.00 2.546 \$134,021 0.06 1.30 \$220,282 1.00 2.546 \$134,021 0.06 1.30 \$213,382 1.00	(1) (2) (3) = (1) x (2) (4) (5) (6) = (3) x \$76,923 0.06 1.30 \$100,000 1.00 1.980 \$81,538 0.06 1.30 \$100,000 1.00 2.060 \$86,431 0.06 1.30 \$112,360 1.00 2.130 \$81,617 0.06 1.30 \$113,6248 1.00 2.173 \$810,314 0.06 1.30 \$13,6248 1.00 2.216 \$102,340 0.06 1.30 \$13,6248 1.00 2.306 \$102,940 0.06 1.30 \$15,638 1.00 2.306 \$102,940 0.06 1.30 \$15,938 1.00 2.347 \$102,644 0.06 1.30 \$15,938 1.00 2.447 \$122,604 0.06 1.30 \$15,938 1.00 2.447 \$125,604 0.06 1.30 \$15,938 1.00 2.447 \$125,604 0.06 1.30 \$15,938 1.00		Service	Annual Salary	Salary Increase	Wage Salary Multiple	Wage		Wage Load Factor ARWLF	Minimum Revenu Potentia
\$76,923 0.06 1.30 \$100,000 1.00 1.980 \$81,538 0.06 1.30 \$106,000 1.00 2.060 \$86,431 0.06 1.30 \$112,360 1.00 2.130 \$91,617 0.06 1.30 \$119,102 1.00 2.173 \$97,114 0.06 1.30 \$126,248 1.00 2.173 \$102,940 0.06 1.30 \$131,852 1.00 2.260 \$105,117 0.06 1.30 \$141,852 1.00 2.362 \$115,664 0.06 1.30 \$141,852 1.00 2.360 \$115,664 0.06 1.30 \$159,385 1.00 2.360 \$115,664 0.06 1.30 \$180,385 1.00 2.347 \$115,664 0.06 1.30 \$180,385 1.00 2.346 \$115,604 0.06 1.30 \$180,385 1.00 2.346 \$130,7758 0.06 1.30 \$221,329 1.00	\$76,923 0.06 1.30 \$100,000 1.00 1.980 \$81,538 0.06 1.30 \$106,000 1.00 2.060 \$86,431 0.06 1.30 \$112,360 1.00 2.173 \$91,114 0.06 1.30 \$119,102 1.00 2.173 \$97,114 0.06 1.30 \$133,823 1.00 2.216 \$102,940 0.06 1.30 \$113,822 1.00 2.216 \$105,117 0.06 1.30 \$141,822 1.00 2.366 \$105,117 0.06 1.30 \$159,385 1.00 2.399 \$115,664 0.06 1.30 \$159,385 1.00 2.399 \$115,664 0.06 1.30 \$159,385 1.00 2.496 \$115,664 0.06 1.30 \$189,483 1.00 2.496 \$115,604 0.06 1.30 \$219,385 1.00 2.546 \$134,784 0.06 1.30 \$223,685 1.00			(1)		(2)	$(3) = (1) \times (2)$	(4)	(5)	$(6) = (3) \times (4) \times (5)$
6 \$81,538 0.06 1.30 \$106,000 1.00 2.060 7 \$86,431 0.06 1.30 \$112,360 1.00 2.130 8 \$91,617 0.06 1.30 \$119,102 1.00 2.130 9 \$87,114 0.06 1.30 \$136,248 1.00 2.260 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$134,823 1.00 2.306 12 \$115,664 0.06 1.30 \$159,385 1.00 2.306 13 \$122,604 0.06 1.30 \$158,385 1.00 2.346 14 \$129,664 0.06 1.30 \$189,836 1.00 2.447 15 \$134,784 0.06 1.30 \$213,229 1.00 2.486 16 \$144,012 0.06 1.30 \$213,229 1.00 2.48 17 \$144,021 0.06 </td <td>6 \$81,538 0.06 1.30 \$106,000 1.00 2.060 7 \$86,431 0.06 1.30 \$112,360 1.00 2.130 8 \$91,617 0.06 1.30 \$119,102 1.00 2.216 10 \$102,941 0.06 1.30 \$13,672 1.00 2.216 11 \$109,117 0.06 1.30 \$13,322 1.00 2.350 11 \$109,117 0.06 1.30 \$14,852 1.00 2.350 12 \$115,604 0.06 1.30 \$159,882 1.00 2.347 13 \$122,604 0.06 1.30 \$188,983 1.00 2.447 14 \$129,960 0.06 1.30 \$189,830 1.00 2.366 15 \$134,023 0.06 1.30 \$189,830 1.00 2.366 16 \$134,021 0.06 1.30 \$219,883 1.00 2.366 17 \$154,173 0.06<!--</td--><td></td><td>8</td><td>\$76,923</td><td>0.06</td><td>1.30</td><td>\$100,000</td><td>1.00</td><td>1.980</td><td>\$198,00</td></td>	6 \$81,538 0.06 1.30 \$106,000 1.00 2.060 7 \$86,431 0.06 1.30 \$112,360 1.00 2.130 8 \$91,617 0.06 1.30 \$119,102 1.00 2.216 10 \$102,941 0.06 1.30 \$13,672 1.00 2.216 11 \$109,117 0.06 1.30 \$13,322 1.00 2.350 11 \$109,117 0.06 1.30 \$14,852 1.00 2.350 12 \$115,604 0.06 1.30 \$159,882 1.00 2.347 13 \$122,604 0.06 1.30 \$188,983 1.00 2.447 14 \$129,960 0.06 1.30 \$189,830 1.00 2.366 15 \$134,023 0.06 1.30 \$189,830 1.00 2.366 16 \$134,021 0.06 1.30 \$219,883 1.00 2.366 17 \$154,173 0.06 </td <td></td> <td>8</td> <td>\$76,923</td> <td>0.06</td> <td>1.30</td> <td>\$100,000</td> <td>1.00</td> <td>1.980</td> <td>\$198,00</td>		8	\$76,923	0.06	1.30	\$100,000	1.00	1.980	\$198,00
7 \$86,431 0.06 1.30 \$112,360 1.00 2.130 8 \$91,617 0.06 1.30 \$119,102 1.00 2.173 9 \$97,114 0.06 1.30 \$139,238 1.00 2.216 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$133,823 1.00 2.260 12 \$112,664 0.06 1.30 \$159,385 1.00 2.352 13 \$122,604 0.06 1.30 \$159,385 1.00 2.346 14 \$122,604 0.06 1.30 \$169,835 1.00 2.447 15 \$134,023 0.06 1.30 \$169,835 1.00 2.447 16 \$146,023 0.06 1.30 \$221,203 1.00 2.447 17 \$154,734 0.06 1.30 \$224,035 1.00 2.447 20 \$184,31 0.06	7 \$86,431 0.06 1.30 \$112,360 1.00 2.130 8 \$91,617 0.06 1.30 \$119,102 1.00 2.173 9 \$87,114 0.06 1.30 \$126,248 1.00 2.216 10 \$102,940 0.06 1.30 \$141,852 1.00 2.260 11 \$115,664 0.06 1.30 \$156,385 1.00 2.306 12 \$115,664 0.06 1.30 \$159,385 1.00 2.306 13 \$122,604 0.06 1.30 \$159,385 1.00 2.396 14 \$129,664 0.06 1.30 \$189,830 1.00 2.447 15 \$134,784 0.06 1.30 \$213,938 1.00 2.546 16 \$144,023 0.06 1.30 \$223,220 1.00 2.546 17 \$154,738 0.06 1.30 \$223,220 1.00 2.548 20 \$184,351 0.0	Г	9	\$81,538	90.0	1.30	\$106,000	1.00	2.060	\$218,36
8 \$91,617 0.06 1.30 \$119,102 1.00 2.173 9 \$97,114 0.06 1.30 \$126,248 1.00 2.216 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$159,385 1.00 2.352 13 \$122,604 0.06 1.30 \$168,948 1.00 2.447 14 \$129,600 0.06 1.30 \$189,830 1.00 2.446 15 \$137,738 0.06 1.30 \$210,988 1.00 2.466 16 \$146,023 0.06 1.30 \$213,293 1.00 2.546 17 \$154,784 0.06 1.30 \$221,229 1.00 2.546 18 \$166,023 0.06 1.30 \$226,090 1.00 2.546 20 \$184,351 0	8 \$91,617 0.06 1.30 \$119,102 1.00 2.173 9 \$97,114 0.06 1.30 \$126,248 1.00 2.216 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$141,852 1.00 2.260 12 \$115,644 0.06 1.30 \$159,385 1.00 2.352 13 \$130,260 0.06 1.30 \$159,385 1.00 2.350 14 \$130,260 0.06 1.30 \$159,385 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.447 16 \$146,023 0.06 1.30 \$213,83 1.00 2.546 17 \$154,784 0.06 1.30 \$213,83 1.00 2.546 18 \$164,071 0.06 1.30 \$226,609 1.00 2.548 20 \$184,351 0.0		7	\$86,431	90.0	1.30	\$112,360	1.00	2.130	\$239,32
9 \$97,114 0.06 1.30 \$126,248 1.00 2.216 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$102,940 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$150,363 1.00 2.352 13 \$122,604 0.06 1.30 \$159,385 1.00 2.352 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.446 16 \$146,023 0.06 1.30 \$189,830 1.00 2.446 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,229 1.00 2.548 19 \$173,916 0.06 1.30 \$223,9656 1.00 2.548 20 \$184,351 <t< td=""><td>9 \$97,114 0.06 1.30 \$126,248 1.00 2.216 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$150,363 1.00 2.326 13 \$122,604 0.06 1.30 \$168,948 1.00 2.390 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.496 16 \$1346,023 0.06 1.30 \$189,830 1.00 2.447 17 \$154,784 0.06 1.30 \$213,223 1.00 2.546 18 \$164,071 0.06 1.30 \$213,223 1.00 2.548 20 \$184,351 0.06 1.30 \$224,032 1.00 2.843 21 \$184,351 <t< td=""><td></td><td>8</td><td>\$91,617</td><td>90.0</td><td>1.30</td><td>\$119,102</td><td>1.00</td><td>2.173</td><td>\$258,76</td></t<></td></t<>	9 \$97,114 0.06 1.30 \$126,248 1.00 2.216 10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$150,363 1.00 2.326 13 \$122,604 0.06 1.30 \$168,948 1.00 2.390 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.496 16 \$1346,023 0.06 1.30 \$189,830 1.00 2.447 17 \$154,784 0.06 1.30 \$213,223 1.00 2.546 18 \$164,071 0.06 1.30 \$213,223 1.00 2.548 20 \$184,351 0.06 1.30 \$224,032 1.00 2.843 21 \$184,351 <t< td=""><td></td><td>8</td><td>\$91,617</td><td>90.0</td><td>1.30</td><td>\$119,102</td><td>1.00</td><td>2.173</td><td>\$258,76</td></t<>		8	\$91,617	90.0	1.30	\$119,102	1.00	2.173	\$258,76
10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$159,385 1.00 2.352 13 \$122,604 0.06 1.30 \$168,948 1.00 2.447 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,738 0.06 1.30 \$179,085 1.00 2.447 16 \$134,023 0.06 1.30 \$189,830 1.00 2.496 17 \$154,784 0.06 1.30 \$213,293 1.00 2.546 18 \$164,071 0.06 1.30 \$213,293 1.00 2.546 19 \$184,351 0.06 1.30 \$226,090 1.00 2.546 20 \$184,351 0.06 1.30 \$254,035 1.00 2.548 21 \$195,412 <	10 \$102,940 0.06 1.30 \$133,823 1.00 2.260 11 \$109,117 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$150,363 1.00 2.352 13 \$122,604 0.06 1.30 \$168,948 1.00 2.497 14 \$129,66 0.06 1.30 \$189,830 1.00 2.496 15 \$137,758 0.06 1.30 \$189,830 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.496 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$213,293 1.00 2.548 20 \$130 \$226,090 1.00 2.548 2.00 2.548 21 \$184,351 0.06 1.30 \$224,032 1.00 2.810 22 \$207,136 0		6	\$97,114	90.0	1.30	\$126,248	1.00	2.216	\$279,77
11 \$109,117 0.06 1.30 \$141,852 1.00 2.366 12 \$115,664 0.06 1.30 \$150,363 1.00 2.352 13 \$122,604 0.06 1.30 \$158,948 1.00 2.399 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$179,085 1.00 2.447 16 \$1346,023 0.06 1.30 \$189,830 1.00 2.446 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,329 1.00 2.546 19 \$173,916 0.06 1.30 \$226,090 1.00 2.755 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.755 22 \$207,136	11 \$109,117 0.06 1.30 \$141,852 1.00 2.306 12 \$115,664 0.06 1.30 \$150,363 1.00 2.352 13 \$122,604 0.06 1.30 \$159,385 1.00 2.399 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,738 0.06 1.30 \$189,830 1.00 2.446 16 \$146,023 0.06 1.30 \$189,830 1.00 2.496 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,229 1.00 2.546 20 \$184,351 0.06 1.30 \$226,99 1.00 2.755 21 \$195,412 0.06 1.30 \$226,927 1.00 2.867 22 \$207,136 0.06 1.30 \$226,277 1.00 2.924 24 \$232,738 <t< td=""><td></td><td>10</td><td>\$102,940</td><td>90.0</td><td>1.30</td><td>\$133,823</td><td>1.00</td><td>2.260</td><td>\$302,48</td></t<>		10	\$102,940	90.0	1.30	\$133,823	1.00	2.260	\$302,48
12 \$115,664 0.06 1.30 \$150,385 1.00 2.352 13 \$122,604 0.06 1.30 \$159,385 1.00 2.399 14 \$129,606 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$1346,023 0.06 1.30 \$201,220 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,329 1.00 2.546 19 \$173,916 0.06 1.30 \$226,090 1.00 2.755 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.755 22 \$207,136 0.06 1.30 \$325,434 1.00 2.924 24 \$224,73 <	12 \$115,664 0.06 1.30 \$150,363 1.00 2.352 13 \$122,604 0.06 1.30 \$159,385 1.00 2.399 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.496 16 \$146,023 0.06 1.30 \$201,220 1.00 2.496 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,229 1.00 2.648 19 \$173,916 0.06 1.30 \$225,090 1.00 2.755 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.867 22 \$207,136 0.06 1.30 \$326,277 1.00 2.924 24 \$224,703 <		11	\$109,117	90.0	1.30	\$141,852	1.00	2.306	\$327,05
13 \$122,604 0.06 1.30 \$159,385 1.00 2.399 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$146,023 0.06 1.30 \$201,220 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$213,223 1.00 2.648 19 \$173,916 0.06 1.30 \$226,090 1.00 2.648 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.867 22 \$207,136 0.06 1.30 \$285,434 1.00 2.924 24 \$222,73 0.06 1.30 \$302,560 1.00 2.983 25 \$224,035 <t< td=""><td>13 \$122,604 0.06 1.30 \$159,385 1.00 2.399 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,229 1.00 2.648 19 \$173,916 0.06 1.30 \$225,090 1.00 2.755 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.807 22 \$207,136 0.06 1.30 \$256,277 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 <</td><td></td><td>12</td><td>\$115,664</td><td>90.0</td><td>1.30</td><td>\$150,363</td><td>1.00</td><td>2.352</td><td>\$353,60</td></t<>	13 \$122,604 0.06 1.30 \$159,385 1.00 2.399 14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$189,830 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.546 18 \$164,071 0.06 1.30 \$221,229 1.00 2.648 19 \$173,916 0.06 1.30 \$225,090 1.00 2.755 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.807 22 \$207,136 0.06 1.30 \$256,277 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 <		12	\$115,664	90.0	1.30	\$150,363	1.00	2.352	\$353,60
14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$184,351 0.06 1.30 \$226,090 1.00 2.701 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$3285,434 1.00 2.924 24 \$222,73 0.06 1.30 \$320,714 1.00 2.983 25 \$224,035 0.06 1.30 \$320,714 1.00 2.983 24 \$222,73 <t< td=""><td>14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$184,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$184,351 0.06 1.30 \$223,609 1.00 2.701 21 \$195,412 0.06 1.30 \$224,035 1.00 2.810 22 \$207,136 0.06 1.30 \$254,035 1.00 2.867 23 \$219,565 0.06 1.30 \$256,277 1.00 2.924 24 \$232,73 0.06 1.30 \$302,560 1.00 2.934 25 \$246,703 0.06 1.30 \$302,560 1.00 2.934 26 \$0.06 1</td><td></td><td>13</td><td>\$122,604</td><td>90.0</td><td>1.30</td><td>\$159,385</td><td>1.00</td><td>2.399</td><td>\$382,32</td></t<>	14 \$129,960 0.06 1.30 \$168,948 1.00 2.447 15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$184,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$184,351 0.06 1.30 \$223,609 1.00 2.701 21 \$195,412 0.06 1.30 \$224,035 1.00 2.810 22 \$207,136 0.06 1.30 \$254,035 1.00 2.867 23 \$219,565 0.06 1.30 \$256,277 1.00 2.924 24 \$232,73 0.06 1.30 \$302,560 1.00 2.934 25 \$246,703 0.06 1.30 \$302,560 1.00 2.934 26 \$0.06 1		13	\$122,604	90.0	1.30	\$159,385	1.00	2.399	\$382,32
15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$184,351 0.06 1.30 \$226,090 1.00 2.701 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$3285,434 1.00 2.924 24 \$222,738 0.06 1.30 \$320,714 1.00 2.983 25 \$224,035 0.06 1.30 \$320,714 1.00 2.983	15 \$137,758 0.06 1.30 \$179,085 1.00 2.496 16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$184,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$173,916 0.06 1.30 \$2236,090 1.00 2.701 21 \$184,351 0.06 1.30 \$233,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$256,277 1.00 2.924 23 \$219,565 0.06 1.30 \$305,560 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.934 25 \$246,703 0.06 1.30 \$302,560 1.00 2.983 26 \$0.06 <td< td=""><td>3</td><td>14</td><td>\$129,960</td><td>0.06</td><td>1.30</td><td>\$168,948</td><td></td><td>2.447</td><td>\$413,36</td></td<>	3	14	\$129,960	0.06	1.30	\$168,948		2.447	\$413,36
16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$184,351 0.06 1.30 \$226,090 1.00 2.701 21 \$195,412 0.06 1.30 \$254,035 1.00 2.755 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$222,738 0.06 1.30 \$302,560 1.00 2.983 25 \$224,035 1.00 2.983 2.983 24 \$222,738 0.06 1.30 \$320,714 1.00 2.983 25 \$224,035 1.00 2.983 2.983 2.983 2.983	16 \$146,023 0.06 1.30 \$189,830 1.00 2.546 17 \$154,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$173,916 0.06 1.30 \$2236,090 1.00 2.701 21 \$184,351 0.06 1.30 \$223,055 1.00 2.755 22 \$207,136 0.06 1.30 \$254,035 1.00 2.807 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.934 25 \$246,703 0.06 1.30 \$302,560 1.00 2.934 26 \$20,006 1.30 \$302,560 1.00 3.042 26 \$0.06 1.30 \$302,560 1.00 3.103	4	15	\$137,758	90:0	1.30	\$179,085		2.496	\$446,93
17 \$154,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$173,916 0.06 1.30 \$226,090 1.00 2.701 21 \$195,412 0.06 1.30 \$254,035 1.00 2.755 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$222,738 0.06 1.30 \$302,560 1.00 2.983 25 \$234,703 0.06 1.30 \$320,714 1.00 2.983 24 \$222,738 0.06 1.30 \$320,714 1.00 2.983 25 \$524,035 0.06 1.30 \$320,714 1.00 2.983	17 \$154,784 0.06 1.30 \$201,220 1.00 2.596 18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 20 \$173,916 0.06 1.30 \$226,090 1.00 2.701 21 \$184,351 0.06 1.30 \$239,656 1.00 2.755 22 \$207,136 0.06 1.30 \$254,035 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$302,560 1.00 2.983 26 \$0.06 1.30 \$302,560 1.00 3.042 26 \$0.06 1.30 \$30,0714 1.00 3.103	5	16	\$146,023	90:0	1.30	\$189,830		2.546	\$483,22
18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 19 \$173,916 0.06 1.30 \$226,090 1.00 2.701 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$302,560 1.00 2.924 24 \$222,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 2.983 26 \$0 0.06 1.30 \$320,714 1.00 3.042	18 \$164,071 0.06 1.30 \$213,293 1.00 2.648 19 \$173,916 0.06 1.30 \$226,090 1.00 2.701 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$302,560 1.00 3.042 26 \$0 0.06 1.30 \$302,714 1.00 3.042 26 \$0 0.06 1.30 \$30,0714 1.00 3.103	5	17	\$154,784	90.0	1.30	\$201,220		2.596	\$522,45
19 \$173,916 0.06 1.30 \$226,090 1.00 2.701 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$285,434 1.00 2.867 23 \$219,565 0.06 1.30 \$3285,434 1.00 2.924 24 \$222,738 0.06 1.30 \$320,714 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$3103 3.042 3.103	19 \$173,916 0.06 1.30 \$226,090 1.00 2.701 20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 2.983 26 \$0 0.06 1.30 \$302,560 1.00 3.042 26 \$0 0.06 1.30 \$30,0714 1.00 3.103	7	18	\$164,071	90.0	1.30	\$213,293		2.648	\$564,88
20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$222,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 1.00 3.103	20 \$184,351 0.06 1.30 \$239,656 1.00 2.755 21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$30,714 1.00 3.042	8	19	\$173,916	90.0	1.30	\$226,090		2.701	\$610,75
21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 3.103 3.103	21 \$195,412 0.06 1.30 \$254,035 1.00 2.810 22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$223,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 1.00 3.103	6	20	\$184,351	90.0	1.30	\$239,656		2.755	\$660,34
22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 3.042 3.042	22 \$207,136 0.06 1.30 \$269,277 1.00 2.867 23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 1.00 3.103	0	21	\$195,412	0.06	1.30	\$254,035	1.00	2.810	\$713,96
23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 3.103 3.103	23 \$219,565 0.06 1.30 \$285,434 1.00 2.924 24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 1.00 3.103	1	22	\$207,136	90.0	1.30	\$269,277	1.00	2.867	\$771,93
24 \$232,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 3.103 3.103	24 \$222,738 0.06 1.30 \$302,560 1.00 2.983 25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0.06 1.30 \$0 1.00 3.103	2	23	\$219,565	90.0	1.30	\$285,434	1.00	2.924	\$834,61
25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0 0.06 1.30 \$0 1.00 3.103	25 \$246,703 0.06 1.30 \$320,714 1.00 3.042 26 \$0.06 1.30 \$0 1.00 3.103	3	24	\$232,738	90.0	1.30	\$302,560	1.00	2.983	\$902,39
26 \$0 0.06 1.30 \$0 1.00 3.103	26 \$0 6.06 1.30 \$0 1.00 3.103	4	25	\$246,703	90.0	1.30	\$320,714	1.00	3.042	\$975,66
		2	26	\$0	90.0	1.30	\$0		3.103	\$

Date	Age	Beg. Year Risk Adjusted Head Count	Mortality Risk ¹	Retirement Risk ¹	Turnover Risk ^l	Disability Risk ¹	Total Retention Risk
		(7)	(8)	(9)	(10)	(11)	(12) = (8) + (9) + (10) + (11)
1/1/2001	44	1.000000	0.092%	0.000%	2.500%	0.390%	2.982%
1/1/2002	45	0.970181	0.101%	0.000%	2.000%	0.527%	2.628%
1/1/2003	46	0.944685	0.112%	0.000%	2.000%	0.527%	2.639%
1/1/2004	47	0.919757	0.124%	0.000%	2.000%	0.527%	2.651%
1/1/2005	48	0.895377	0.137%	0.000%	2.000%	0.527%	2.664%
1/1/2006	49	0.871528	0.151%	0.000%	2.000%	0.527%	2.678%
1/1/2007	50	0.848193	0.165%	5.000%	0.000%	0.849%	6.014%
1/1/2008	51	0.797185	0.179%	5.500%	0.000%	0.849%	6.528%
1/1/2009	52	0.745142	0.195%	6.000%	0.000%	0.849%	7.044%
1/1/2010	53	0.692655	0.212%	6.500%	0.000%	0.849%	7.561%
1/1/2011	54	0.640284	0.232%	7.000%	0.000%	0.849%	8.081%
1/1/2012	55	0.588546	0.254%	7.500%	0.000%	1.398%	9.152%
1/1/2013	56	0.534681	0.280%	8.000%	0.000%	1.398%	9.678%
1/1/2014	57	0.482933	0.310%	8.500%	0.000%	1.398%	10.208%
1/1/2015	58	0.433634	0.344%	9.000%	0.000%	1.398%	10.742%
1/1/2016	59	0.387052	0.382%	9.500%	0.000%	1.398%	11.280%
1/1/2017	60	0.343392	0.424%	10.000%	0.000%	1.552%	11.976%
1/1/2018	61	0.302267	0.470%	20.000%	0.000%	1.552%	22.022%
1/1/2019	62	0.235701	0.521%	30.000%	0.000%	1.552%	32.073%
1/1/2020	63	0.160104	0.577%	40.000%	0.000%	1.552%	42.129%
1/1/2021	64	0.092654	0.639%	50.000%	0.000%	1.552%	52.191%
1/1/2022	65	0.044297	0.706%	100.000%	0.000%	0.835%	100.000%
otal	 	11.930249					

			Figure 7C-2. Sa	Figure 7C-2. Sample Calculation of EVi for Employee 2 (page 3)	f EVi for Emplc	yee 2 (page 3)		
		Expected	Expected	Expected		Discounted	Discounted	Discounted
4.0		Cost		Profit	Discount	Expected	Expected	Expected Profit
Date	280	$(13) = (3) \times (7) \times (12)$	$(13) = (3) \times (7) \times (14) = (6) \times (7) \times [1 - (12)]$	(15) = (14)	(16)		$(17) = (13) \times (16) (18) = (14) \times (16) (19) = (18) \times (17)$	$(19) = (18) \times (17)$
1000		010 100		020 300	1 0000	\$07.018	\$102.006	\$95 078
1/1/2001	44	\$100,137	\$206,281	8	0.9091			\$96,495
1/1/2003	46	\$103,344		\$116,779	0.8264		\$181,920	\$96,511
1/1/2004	47	\$106,641		\$125,047	0.7513	\$80,121		
1/1/2005	48	\$110,028	\$243,829	\$133,800	0.6830			
1/1/2006	49	\$113,507	\$256,569		0.6209			
1/1/2007	20	\$113,082		\$147,638	0.5645			\$83,338
1/1/2008	51	\$112,042			0.5132	\$57,495		\$77,716
1/1/2009	52	\$110,399		\$154,418	0 4665		\$123,539	\$72,037
1/1/2010	53	\$108,175			0.4241		\$112,246	
1/1/2011	54	\$105,400		\$157,639	0.3855		₩	
1/1/2012	55	\$101,498		\$156,871	0.3505		\$90,557	
1/1/2013	56	\$97,176	\$252,313	\$155,137	0.3186		\$80,395	
1/1/2014	57	\$92,491		\$152,461	0.2897		\$70,954	
1/1/2015	58	\$87,509			0.2633		\$62,249	\$39,206
1/1/2016	59	\$82,296		\$144,461	0.2394	\$19,701	\$54,284	\$34,583
1/1/2017	09	\$76,786	\$215,808	\$139,021	0.2176	\$16,711	\$46,966	\$30,255
1/1/2018	19	\$63,469	\$181,946	\$118,477	0.1978	\$12,557	\$35,997	
1/1/2019	62	\$45,699	\$133,626	\$87,927	0.1799	\$8,219	\$24,034	
1/1/2020	63	\$28,033	019'883'010	\$55,577	0.1635	\$4,584	\$13,671	\$9,087
1/1/2021	64	\$14,207	\$43,219	\$29,013	0.1486	\$2,112	\$6,424	
1/1/2022	65	\$0	\$0	\$0	0.1351	\$0	\$0	\$0
Total						\$938,809	\$2,166,571	\$1,227,762
iRevenue			\$2,166,571					
iCost			\$938,809					
Evi = iRevenue - iCost	ue - iCos	it	\$1,227,762					
EWL			11.930249					
Annual $EVi = Evi / EWL$	= Evi / E	WL	\$102,912					

	Figur	e 7D. Decre	ement Rate	s used in th	e sample E	Vi Calcula	tion	
Retireme	ent Rates		Tu	rnover Ra	tes		Disabili	ty Rates
				Ser	vice			
Age	Rate	Age	0	1	2	>=3	Age	Rate
0	0.000	0	0.3	0.2	0.15	0.100	15 - 19	0.00032
50	0.050	25	0.3	0.2	0.15	0.100	20 - 24	0.00093
51	0.055	26	0.3	0.2	0.15	0.100	25 - 29	0.00133
52	0.060	27	0.3	0.2	0.15	0.100	30 - 34	0.00198
53	0.065	28	0.285	0.19	0.1425	0.095	35 - 39	0.00283
54	0.070	29	0.285	0.19	0.1425	0.095	40 - 44	0.00390
55	0.075	30	0.27	0.18	0.135	0.090	45 - 49	0.00527
56	0.080	31	0.27	0.18	0.135	0.090	50 - 54	0.00848
57	0.085	32	0.255	0.17	0.1275	0.085	55 - 59	0.01398
58	0.090	33	0.24	0.16	0.12	0.080	60 - 64	0.01552
59	0.095	34	0.225	0.15	0.1125	0.075	60+	0.00835
60	0.100	35	0.21	0.14	0.105	0.070		
61	0.200	36	0.195	0.13	0.0975	0.065		
62	0.300	37	0.18	0.12	0.09	0.060		
63	0.400	38	0.165	0.11	0.0825	0.055		
64	0.500	39	0.15	0.1	0.075	0.050		
65	1.000	40	0.135	0.09	0.0675	0.045		
		41	0.12	0.08	0.06	0.040		
		42	0.105	0.07	0.0525	0.035		
		43	0.09	0.06	0.045	0.030		
		44	0.075	0.05	0.0375	0.025		
		45	0.06	0.04	0.03	0.020		
		50+	0	0	0	0.000		

Mortality Rate is Group Annuity Table 1983 with margin for males and females

	Figure 7.	e 7E. Prob	ability of p	romotion t	from Job ${f L}$	evel 1 to Ja	ob Level 2	E. Probability of promotion from Job Level 1 to Job Level 2 (or Job Level 2 to Job Level 3)	rel 2 to Job	Level 3)	
					Svc in	Svc in current job level	b level				
Age	0	1	2	3	4	5	9	7	8	6	10
20											
21	0.02	0.10									
22	0.03	0.11	0.15								
23	0.04	0.12	0.16	0.20							
24	0.05	0.13	0.17	0.21	0.25						
25	90.0	0.14	0.18	0.22	0.26	0.35					
76	0.07	0.15	0.19	0.23	0.27	0.36	0.50				
27	0.08	0.16	0.20	0.24	0.28	0.37	0.51	0.70			
28	0.09	0.17	0.21	0.25	0.29	0.38	0.52	0.71	0.50		
29	0.10	0.18	¥0.22	0.26	0.30	0.39	0.53	0.72	0.51	0.30	
30+	0.10	0.18	.0.27	0.46	0.65	0.84	0.83	0.72	0.51	0.30	0.00

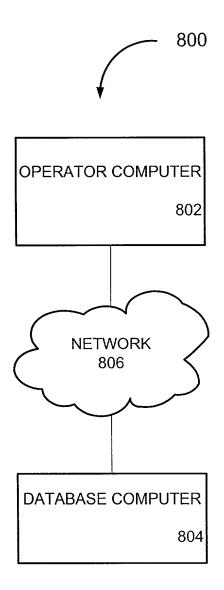


FIG. 8

k.

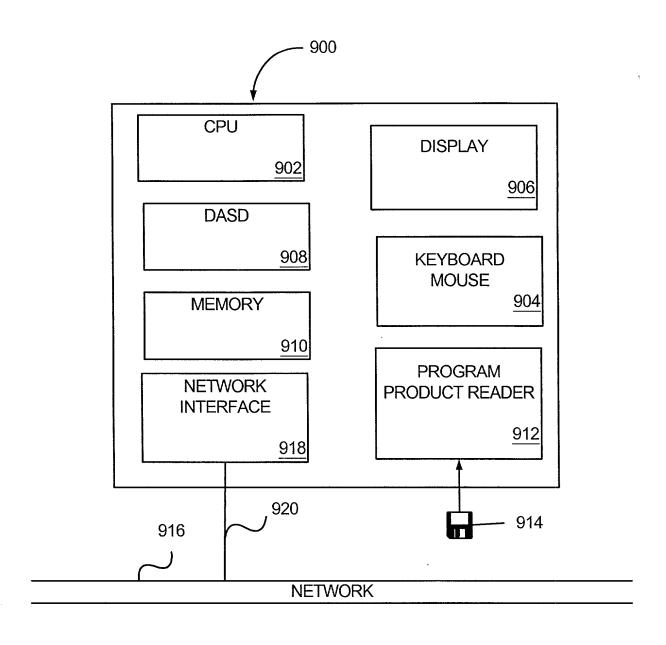


FIG. 9